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Reply to 02 April 2008 Office Action

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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A terminal comprising:

a control unit for controlling a plurality of speech interaction application
programs; applications;

a speech input unit;

a speech recognition engine for recognizing a speech input via the speech
input unit; and

a memory for ~~recording~~storing a dictionary that has words that the speech
recognition engine can recognize;

wherein:

each speech interaction application program has a group of words for
speech recognition, with each word designated as either a local command
useable as a recognition word only when the user is interacting with the
application program, or a global command settable selectively as a recognition
word relative to whether the user both is/isn't interacting with the application
program.

the dictionary has the words which are local commands of a current-
interacting application program, and the words which are global commands of the
current-interacting application program and a not-current-interacting application
program.

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the control unit selectively sets each word of global commands in the dictionary as recognizable or unrecognizable within a recognition process of speech recognition, according to operation states of the application program which said each word is tied to,

the speech recognition engine searches and outputs one or more words as recognition results that have high match likelihood, after comparing the speech input via the speech input unit with: the words in the dictionary which are a said local command of the current-interacting application program, and the words which are a said global command that were set as recognizable by the control unit, and

the control unit executes: the process for the current-interacting application program that was tied to the recognized local command word, if the recognition result is a said local command of the current-interacting application program, or executes the process that was tied to the recognized global command word if the recognition result is a global command. ~~commands which achieve interaction with a currently interacting application or/and a plurality of the applications other than the currently interacting application; wherein the control unit dynamically manages ones of the commands as recognizable or unrecognizable according to current operation states of each of the applications, and executes processes corresponding to the commands when results of speech recognition match the commands.~~

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2. (Currently Amended) The terminal of claim 1, wherein the ~~commands~~
~~are global commands that achieve interaction at least with~~ at least one of the
~~plurality of one of the applications speech interaction application programs other~~
than the currently-interacting application program.

3. (Currently Amended) The terminal of claim 1, wherein the control unit
manages different commands according to whether the currently-interacting
application program and ~~a plurality of the applications speech interaction~~
application programs other than the currently-interacting application programs,
are in an installed state, activated state, or interacting state.

4. (Currently Amended) The terminal of claim 2, wherein the control unit
manages different global commands according to whether the currently-
interacting application program and ~~a plurality of the applications speech~~
interaction application programs other than the currently-interacting application
program, are in an installed state, activated state, or interacting state.

5. (Original) The terminal of claim 2 comprising an input section, wherein
the control section adds, deletes, or changes the commands according to inputs
via the input section.

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6. (Currently Amended) The terminal of claim 1 comprising a communication unit connectable to at least one of an external server and network, wherein the control unit records the commands into the memory when the ~~applications~~ speech interaction application programs corresponding to the commands are obtained via the communication unit.

7. (Currently Amended) The terminal of claim 2 comprising a communication unit connectable to at least one of an external server and network, wherein the control unit records global commands into the memory when the ~~applications~~ speech interaction application programs corresponding to the global commands are obtained via the communication unit.

8. (Currently Amended) The terminal of claim 2, wherein, when a result of speech recognition does not match the global commands, the speech recognition is processed as an input into the currently-interacting application program.

9. (Currently Amended) The terminal of claim 3, wherein, when a result of speech recognition does not match the global commands, the speech recognition is processed as an input into the currently-interacting application program.

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10. (Currently Amended) The terminal of claim 2, wherein the ~~applications~~
speech interaction application programs include information on priority, and the
control unit judges whether to start to interact with one of the ~~applications~~-speech
interaction application programs which correspond to ~~the input~~-an input said
global command according to the priority when the global commands are
inputted to the control unit via the input unit.

11. (Currently Amended) The terminal of claim 3, wherein the ~~applications~~
speech interaction application programs include information on priority, and the
control unit judges whether to start to interact with one of the ~~applications~~-speech
interaction application programs which correspond to ~~the input~~-an input said
global command according to the priority when the global commands are
inputted to the control unit via the input unit.

12. (Currently Amended) The terminal of claim 1, wherein the control unit
starts to interact with the ~~applications~~-speech interaction application programs in
response to inputs from an input unit.

13. (Currently Amended) The terminal of claim 2, wherein the control unit
starts to interact with the ~~applications~~-speech interaction application programs in
response to inputs from an input unit.

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14. (Currently Amended) The terminal of claim 1, wherein the control unit stops speech recognition processes in response to inputs from an input unit, and makes the ~~applications~~ speech interaction application programs enter a speech wait state.

15. (Currently Amended) The terminal of claim 2, wherein the control unit stops speech recognition processes in response to inputs from an input unit, and makes the ~~applications~~ speech interaction application programs enter a speech wait state.

16. (Currently Amended) A speech interaction application provision method for providing a plurality of speech interaction ~~applications~~ application programs recorded in memory, comprising:

- controlling the plurality of speech interaction application programs via a control unit;
- inputting a speech via a speech input unit;
- recognizing a speech input via the speech input unit via a speech recognition engine; and
- storing a dictionary that has words that the speech recognition engine can recognize, within a memory;

wherein:

- each speech interaction application program has a group of words for speech recognition, with each word designated as either a local command

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useable as a recognition word only when the user is interacting with the application program, or a global command settable selectively as a recognition word relative to whether the user both is/isn't interacting with the application program.

the dictionary has the words which are local commands of a current-interacting application program, and the words which are global commands of the current-interacting application program and a not-current-interacting application program.

the control unit selectively sets each word of global commands in the dictionary as recognizable or unrecognizable within a recognition process of speech recognition, according to operation states of the application program which said each word is tied to.

the speech recognition engine searches and outputs one or more words as recognition results that have high match likelihood, after comparing the speech input via the speech input unit with: the words in the dictionary which are a said local command of the current-interacting application program, and the words which are a said global command that were set as recognizable by the control unit, and

the control unit executes: the process for the current-interacting application program that was tied to the recognized local command word, if the recognition result is a said local command of the current-interacting application program, or executes the process that was tied to the recognized global command word if the recognition result is a global command.

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~~, comprising: receiving speech requests including a global command which enables users of the terminals to interact at least with the applications not currently interacting from a plurality of terminals connected thereto; and executing processes corresponding to the speech requests; wherein the speech interaction applications include the global command, and the global commands are dynamically managed as recognizable or unrecognizable according to operation states of the applications.~~

17. (Currently Amended) A speech interaction application provision method of claim 16, wherein the different global commands are managed according to whether a currently-interacting application program and ~~a plurality of the applications~~ speech interaction application programs other than the currently-interacting application program, are in an installed state, activated state, or interacting state.

18. (Currently Amended) A terminal comprising:
record means for recording a plurality of speech interaction application programs; ~~applications~~;
speech input means;
speech recognition means for recognizing a speech input from the speech input means;
memory means for storing a dictionary means that has words that the speech recognition means can recognize; and

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control means for controlling the plurality of speech interaction application

programs;

wherein:

each speech interaction application program has a group of words for speech recognition, with each word designated as either a local command useable as a recognition word only when the user is interacting with the application program, or a global command settable selectively as a recognition word relative to whether the user both is/isn't interacting with the application program.

the dictionary means has the words which are local commands of a current-interacting application program, and the words which are global commands of the current-interacting application program and a not-current-interacting application program.

the control means selectively sets each word of global commands in the dictionary means as recognizable or unrecognizable within a recognition process of speech recognition, according to operation states of the application program which said each word is tied to.

the speech recognition means searches and outputs one or more words as recognition results that have high match likelihood, after comparing the speech input via the speech input unit with: the words in the dictionary means which are a said local command of the current-interacting application program, and the words which are a said global command that were set as recognizable by the control unit, and

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the control means executes: the process for the current-interacting application program that was tied to the recognized local command word, if the recognition result is a said local command of the current-interacting application program, or executes the process that was tied to the recognized global command word if the recognition result is a global command.

~~and management means for recording and managing global commands for achieving interaction at least with the applications other than the currently-interacting application, wherein the management means dynamically manages different global commands as active or inactive according to operation states of the applications.~~

19. (Currently Amended) An in-vehicle terminal comprising:

a record unit for recording a plurality of speech interaction applications application programs which include at least a route guide application;

a control unit for controlling the plurality of speech interaction application programs;

a vehicle location obtaining unit;

a speech input unit;

a speech recognition unit for recording a speech input from the speech input unit;

a memory for recording dictionary that have words that the speech recognition engine can recognize; and

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a display unit for displaying at least a vehicle location acquired by the vehicle location obtaining unit and the route calculated by the route guide application;

wherein:

each speech interaction application program has a group of words for speech recognition, with each word designated as either a local command useable as a recognition word only when the user is interacting with the application program, or a global command settable selectively as a recognition word relative to whether the user both is/isn't interacting with the application program,

the dictionary has the words which are local commands of a current-interacting application program, and the words which are global commands of the current-interacting application program and a not-current-interacting application program,

the control unit selectively sets each word of global commands in the dictionary as recognizable or unrecognizable within a recognition process of speech recognition, according to operation states of the application program which said each word is tied to,

the speech recognition engine searches and outputs one or more words as recognition results that have high match likelihood, after comparing the speech input via the speech input unit with: the words in the dictionary which are a said local command of the current-interacting application program, and the

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words which are a said global command that were set as recognizable by the control unit, and

the control unit executes: the process for the current-interacting application program that was tied to the recognized local command word, if the recognition result is a said local command of the current-interacting application program, or executes the process that was tied to the recognized global command word if the recognition result is a global command.

~~a vehicle location obtaining unit; a speech input unit; a speech recognition unit for recognizing a speech input from the speech input unit; a display unit for displaying at least a vehicle location acquired by the vehicle location obtaining unit and the route calculated by the route guide application; and a management unit for managing global commands for achieving interaction at least with the applications other than a currently interacting application, wherein the management unit dynamically manages different global commands as recognizable or unrecognizable according to operation states of the corresponding applications.~~

20. (Currently Amended) An in-vehicle terminal of claim 19, wherein the managing unit manages different global commands according to whether the currently-interacting application program and a plurality of the applications speech interaction application programs other than the currently-interacting application program, are in an installed state, activated state, or interacting state.